CLAIMS

We claim:

1.   A method for independently updating individual display elements of a Web page on a client device, the method comprising:

5   displaying, in a browser window of a client device, a Web page containing at least one first element of the Web page;

transmitting, to a server, a request for a second element of the Web page that is related to the first element;

receiving at the client device the second Web page element; and

10   displaying the second element with the Web page, without reassembling the Web page.

2.   A method as defined in claim 1, wherein transmitting, receiving, and displaying the second element are accomplished without a client device agent other than a Web browser.

15   3.   A method as defined in claim 1, wherein the second element replaces the first element on the displayed Web page.

4.   A method as defined in claim 3, wherein transmitting the request for the second element is responsive to a timer event.

5.   A method as defined in claim 3, wherein transmitting the request for the

20   second element is responsive to a mouse-over event.

6.   A method as defined in claim 3, wherein transmitting the request for the second element is responsive to a mouse click event.

7.   A method as defined in claim 1, wherein the second element augments the first element on the displayed Web page.

8.   A method as defined in claim 7, wherein transmitting the request for the second element is responsive to a timer event.

9.   A method as defined in claim 7, wherein transmitting the request for the second element is responsive to a mouse over event.

10.   A method as defined in claim 7, wherein transmitting the request for the second element is responsive to a mouse click event.

11.   A method as defined in claim 7, wherein the second element is displayed in a pop-up window in the browser window.

12.   A method as defined in claim 7, wherein the second element is produced by a browser window action.

13.   A method as defined in claim 7, wherein the second element provides a responsive hyperlink of the browser window.

14.   A method as defined in claim 1, wherein the second element is received by the client device from the server.

15.   A method as defined in claim 1, wherein the second element is received by the client device from a computer other than the server.

16.   A method as defined in claim 1, wherein the second element is a text element.

[claims 17-20 intentionally left blank]

21.   A method for updating displaying of an element of a Web page, the method comprising:

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displaying in a browser window of a client device a Web page containing at least

one first element of the Web page;

transmitting, to a server, a request for a second element that is related to the first

element;

5   receiving at the client device the second element; and

displaying the second element with the Web page, without reassembling the Web

page;

wherein transmitting, receiving, and displaying the second element are

accomplished without a client device agent other than a Web browser.

10   22.   A method as defined in claim 21, wherein the second element comprises a

text element to be displayed with the Web page.

23.   A method as defined in claim 22, wherein the second element comprises a

text element and at least one source element to be displayed with the Web page.

24.   A method as defined in claim 23, wherein the source element comprises a

15   sound file.

25.   A method as defined in claim 23, wherein the source element comprises

an image file.

26.   A method as defined in claim 23, wherein the source element comprises a

video file.

20   27.   A method as defined in claim 23, wherein the source element comprises a

streaming multimedia file.

28.   A method as defined in claim 21, wherein the second element comprises a

source element to be processed by the browser.

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29.   A method as defined in claim 28, wherein the source element comprises an image file.

30.   A method as defined in claim 28, wherein the source element comprises an applet.

5   31.   A method as defined in claim 21, wherein the second element replaces the first element on the displayed Web page.

32.   A method as defined in claim 31, wherein transmitting the request for the second element is responsive to a timer event.

33.   A method as defined in claim 31, wherein transmitting the request for the
10   second element is responsive to a mouse over event.

34.   A method as defined in claim 31, wherein transmitting the request for the second element is responsive to a mouse click event.

35.   A method as defined in claim 21, wherein the second element augments the first element on the displayed Web page.

15   36.   A method as defined in claim 35, wherein transmitting the request for the second element is responsive to a timer event.

37.   A method as defined in claim 35, wherein transmitting the request for the second element is responsive to a mouse over event.

38.   A method as defined in claim 35, wherein transmitting the request for the
20   second element is responsive to a mouse click event.

39.   A method as defined in claim 35, wherein the second element is displayed in a pop-up window in the browser window.

40.   A method as defined in claim 35, wherein the second element is produced by a browser window action.

41.   A method as defined in claim 35, wherein the second element provides a responsive hyperlink of the browser window.

42.   A method as defined in claim 21, wherein the second element is received by the client device from the server.

43.   A method as defined in claim 21, wherein the second element is received by the client device from a computer other than the server.

[claims 44-60 intentionally left blank]

61.   A method of assembling and displaying a Web page at a client device, the method comprising:

receiving at the client device, browser display instructions specifying the format of the Web page and the location of at least one text element to be displayed on the Web page;

retrieving the text element from the specified location;

inserting the text element into the Web page in accordance with the specified format; and

displaying the Web page in the browser window.

62.   A method as defined in claim 61, wherein retrieving and inserting the text element are accomplished without a client device agent other than a Web browser.

63.   A method as defined in claim 61, wherein the text element is received by the client device from the server.

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64. A method as defined in claim 61, wherein the text element is received by the client device from a computer other than the server.

65. A method as defined in claim 61, further comprising updating the displayed Web page without refreshing the entire page.

66. A method as defined in claim 65, further comprising receiving an updated text element of the displayed Web page.

67. A method as defined in claim 65, further comprising receiving an updated source element of the displayed Web page.

[claims 68-100 intentionally left blank]

101. A method as defined in claim 1, wherein said client device is a personal computer.

102. A method as defined in claim 1, wherein said client device is a handheld device.

103. A method as defined in claims 101 and 102, wherein said second element is not a multimedia or image file.

104. A method as defined in claim 103, wherein no browser plug-ins are utilized.

105. A method as defined in claim 104, wherein no Java Applets are utilized.

106. A method as defined in claim 105, wherein transmitting a request for the second element of the Web page occurs after the HTTP connection has terminated.

107. A method as defined in claim 106, wherein the server utilizes non-Microsoft Web server software.